

Abstract

A dosing device (1) for feeding an infusion product comprises a rotary drum (2) positioned between a web (3) of filter material and a hopper (4) for containing the infusion product; the drum (2) having a plurality of radial cells (5) made in it for containing the infusion product and in which there slide piston type dosing means (6); each dosing piston (6) being driven axially by respective eccentric cam actuating means (7) between two end positions, one of which corresponds to a top dead centre (PMS) where each dosing cell (5) faces the hopper (4) in order to receive a quantity of the infusion product, and the other corresponds to a bottom dead centre (PMI) where the dosing cell (5) faces the web (3) of filter material in order to discharge the quantity of infusion product onto the web (3) of filter material. Between the actuating means (7) and each piston (6) there are crank mechanisms (8) designed to act coaxially on the piston (6) in such a way as to enable the piston (6) to move in a direction that is perfectly aligned with a longitudinal axis (Z) of the respective dosing cell (5).